Western Area Power Administration
Sierra Nevada Region

Date: February 1, 2006

12-Month Forecast of CVP Generation and Base Resource

February 2006 Through January 2007

Values at Load Center (Tracy Substation)

Exceedence Level: 90% (Dry)

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	CVP Maximum Capability (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)	Estimated Ancillary Services Capacity (MW)	PU Forward Purchase Off-Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Bank Return Energy to CVP Corp (GWh)	Ancilliary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)	
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Feb-06	1,390.0	310.0	100.0	60.0	21.4	11.2	148.0	14.4	0.0	0.0	0.0	0.0	0.0	1,120.6	253.2	33.6	0
Mar-06	1,230.0	360.0	105.0	80.0	23.0	12.0	148.0	16.4	0.0	0.0	0.0	0.0	0.0	954.0	284.4	40.1	0
Apr-06	1,475.0	430.0	70.0	40.0	20.3	11.3	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,236.7	378.7	42.5	0
May-06	1,470.0	590.0	95.0	60.0	31.1	13.3	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,195.9	516.7	58.1	0
Jun-06	1,855.0	560.0	165.0	115.0	31.1	13.9	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,510.9	431.1	39.6	0
Jul-06	1,805.0	650.0	225.0	150.0	38.0	18.4	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,394.0	481.6	46.4	0
Aug-06	1,685.0	460.0	210.0	140.0	39.1	17.3	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,287.9	302.7	31.6	0
Sep-06	1,430.0	310.0	170.0	115.0	39.8	16.9	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,072.2	178.1	23.1	0
Oct-06	1,200.0	230.0	150.0	125.0	27.0	12.4	148.0	16.4	0.0	0.0	0.0	0.0	0.0	875.0	109.0	16.7	0
Nov-06	1,205.0	200.0	145.0	135.0	25.7	13.8	148.0	16.0	0.0	0.0	0.0	0.0	0.0	886.3	67.2	10.5	0
Dec-06	1,200.0	180.0	140.0	140.0	22.8	12.8	148.0	17.2	0.0	0.0	0.0	0.0	0.0	889.2	44.4	6.7	0
Jan-07	1,300.0	200.0	180.0	175.0	21.9	12.5	148.0	16.4	0.0	0.0	0.0	0.0	0.0	950.1	28.9	4.1	0
Total		4,480.0		1,335.0		165.8		96.8		0.0	0.0	0.0			3,076.0		

Exceedence Level 50% (Average)

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)	Estimated Ancillary Services Capacity (MW)	PU Forward Purchase Off-Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Bank Return Energy to CVP Corp (GWh)	Ancilliary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)	
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Feb-06	1,245.0	540.0	165.0	130.0	21.4	11.2	148.0	14.4	0.0	0.0	0.0	0.0	0.0	910.6	413.2	67.5	0
Mar-06	1,260.0	570.0	105.0	90.0	23.0	12.0	148.0	16.4	0.0	0.0	0.0	0.0	0.0	984.0	484.4	66.2	0
Apr-06	1,515.0	540.0	80.0	50.0	20.3	11.3	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,266.7	478.7	52.5	0
May-06	1,500.0	610.0	110.0	75.0	31.1	13.3	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,210.9	521.7	57.9	0
Jun-06	1,905.0	650.0	145.0	95.0	31.1	13.9	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,580.9	541.1	47.5	0
Jul-06	1,870.0	620.0	210.0	145.0	38.0	18.4	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,474.0	456.6	41.6	0
Aug-06	1,820.0	530.0	190.0	130.0	39.1	17.3	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,442.9	382.7	35.7	0
Sep-06	1,555.0	420.0	140.0	105.0	39.8	16.9	148.0	0.0	0.0	0.0	0.0	0.0	0.0	1,227.2	298.1	33.7	0
Oct-06	1,315.0	280.0	175.0	140.0	27.0	12.4	148.0	16.4	0.0	0.0	0.0	0.0	0.0	965.0	144.0	20.1	0
Nov-06	1,320.0	250.0	170.0	150.0	25.7	13.8	148.0	16.0	0.0	0.0	0.0	0.0	0.0	976.3	102.2	14.5	0
Dec-06	1,330.0	250.0	210.0	155.0	22.8	12.8	148.0	17.2	0.0	0.0	0.0	0.0	0.0	949.2	99.4	14.1	0
Jan-07	1,295.0	300.0	180.0	175.0	21.9	12.5	148.0	16.4	0.0	0.0	0.0	0.0	0.0	945.1	128.9	18.3	0
Total		5,560.0		1,440.0		165.8		96.8		0.0	0.0	0.0			4,051.0		

Exceedence Level 10% (Wet) - (Not Available)

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)	Estimated Ancillary Services Capacity (MW)	PU Forward Purchase Off-Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Return Energy to CVP Corp (GWh)	Ancilliary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)	
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Feb-06													0.0	0.0	0.0	0.0	
Mar-06													0.0	0.0	0.0	0.0	
Apr-06													0.0	0.0	0.0	0.0	
May-06													0.0	0.0	0.0	0.0	
Jun-06													0.0	0.0	0.0	0.0	
Jul-06													0.0	0.0	0.0	0.0	
Aug-06													0.0	0.0	0.0	0.0	
Sep-06													0.0	0.0	0.0	0.0	
Oct-06													0.0	0.0	0.0	0.0	
Nov-06													0.0	0.0	0.0	0.0	
Dec-06													0.0	0.0	0.0	0.0	
Jan-07													0.0	0.0	0.0	0.0	
Total		0.0		0.0		0.0		0.0		0.0	0.0	0.0			0.0		

Notes:
1. For the AS capacity (Column G), it was assumed that the reserves requirement was 70 MW, half of which would need to be spin, and that the regulation requirement was 40 up and down.
2. An average of 1.81 % losses would be assessed on both capacity and energy between generation and load.
3. Column Q denotes capacity at CVP plants with minimal energy, which is potentially useful for reserves but has been deemed unschedulable for Base Resource purposes.
4. CVP generation and Project Use data for 50% and 90% Exceedence Levels are based USBR January 2006 50% and 90% Exceedence water forecasts, respectively.
5. February 2006 CVP capacity is higher in the 90% Exceedence forecast compared to the 50% Exceedence forecast due to releases out of San Luis Reservoir in the 90% Exceedence scenario and none in the 50% Exceedence scenario.